

**Amendment to the Claims:**

This listing will replace all prior versions, and listings, of the Claims in this application.

**Listing of Claims:**

Claims 1-3 (Canceled)

4. (Currently amended) A composition comprising:  
a microbiological culture media for producing a stabilized dihydrolipoic acid compound, the microbiological culture media including:  
comprising:

at least one live probiotic organism;  
R-lipoic acid; and  
at least one nutritive agent.

5. (Currently amended) The ~~microbiological culture media composition~~ of claim 4, wherein the at least one live probiotic organism is selected from the group consisting of *Lactobacillus* species, *Bifidobacterium* species, *Enterococcus* species, *Streptococcus thermophilus*, and combinations thereof.

6. (Currently amended) The ~~microbiological culture media composition~~ of claim 5, wherein the at least one live probiotic organism is a *Lactobacillus* species selected from the group consisting of *L. acidophilus*, *L. paracasei*, *L. fermentum*, *L. rhamnosus*, *L. johnsonii*, *L. plantarum*, *L. reuteri*, *L. salivarius*, *L. brevis*, *L. bulgaricus*, *L. helveticus*, *L. grasseri*, *L. casei*, *L. lactis*, and combinations thereof.

7. (Currently amended) The ~~microbiological culture media composition~~ of claim 5, wherein the at least one live probiotic organism is a *Bifidobacterium* species selected from the group consisting of *B. bifidum*, *B. breve*, *B. infantis*, *B. longum*, *B. lactis*, and combinations thereof.

8. (Currently amended) The ~~microbiological culture media~~ composition of claim 5, wherein the at least one live probiotic organism is a *Enterococcus* species selected from the group consisting of *E. faecium*, *E. faecalis*, and combinations thereof.

9. (Currently amended) The ~~microbiological culture media~~ composition of claim 5, wherein the at least one live probiotic organism is *Streptococcus thermophilus*.

10. (Currently amended) The ~~microbiological culture media~~ composition of claim 4, comprising at least one live probiotic organism selected from the group consisting of *Lactobacillus* species and at least one probiotic organism selected from the group consisting of *Bifidobacterium* species.

11. (Currently amended) The ~~microbiological culture media~~ composition of claim 4, wherein the nutritive agent is turmeric rhizome (*curcuma longa*).

12. (Currently amended) The ~~microbiological culture media~~ composition of claim 4, wherein the microbiological culture media comprises comprising:

about 40 composition weight percent of a paste, the paste including at least one live probiotic organism;

about 20 composition weight percent R-lipoic acid; and

about 40 composition weight percent turmeric rhizome powder.

13. (Withdrawn) A process for preparing a stabilized dihydrolipoic acid compound comprising:

dispersing the microbiological culture media of claim 4 in distilled water to form a broth;

incubating the broth at a predetermined temperature for a select time period to induce probiotic activity;

adding organic ethanol to halt the probiotic activity; and

separating the stabilized dihydrolipoic acid from the broth.

14. (Withdrawn) The process of claim 13, wherein the broth is incubated at a temperature of about 35°C to about 40°C.

15. (Withdrawn) The process of claim 13, wherein the broth is incubated for a period of about 72 to about 168 hours.

16. (Withdrawn) A process for naturally deriving a beneficial compound comprising:

preparing the microbiological culture of Claim 4;

incubating the microbiological culture to initiate probiotic activity;

harvesting a waste byproduct of the probiotic activity; and

separating the beneficial compound from the waste byproduct.

17. (Withdrawn) The process of claim 16, wherein the beneficial compound is stabilized dihydrolipoic acid.

18. (Withdrawn) The process of claim 16, wherein the at least one live probiotic organism is selected from the group consisting of *Lactobacillus* species, *Bifidobacterium* species, *Enterococcus* species, *Streptococcus thermophilus*, and combinations thereof.

19. (Withdrawn) The process of claim 16, wherein the nutritive agent is turmeric rhizome (*curcuma longa*).

20. (Currently amended) The microbiological culture media of Claim 4 wherein the at least one probiotic organism is capable of producing the ~~produces a~~ stabilized dihydrolipoic acid compound for use in a medicament or a nutritional supplement.

21. (Currently amended) A composition comprising:  
a microbiological culture media for producing a stabilized dihydrolipoic acid compound including comprising:

*Bifobacterium longum*;  
*Lactobacillus acidophilus*;  
*Enterococcus faecium*;  
*Streptococcus thermophilus*;  
R-lipoic acid; and  
at least one nutritive agent.

22. (Currently amended) The composition ~~microbiological culture media~~ of Claim 22, wherein the microbiological culture media further comprises comprising *B. breve*, *B. infantis*, *L. bulgaricus*, *L. casei*, *L. fermentum*, *L. helveticus* and *L. plantarum*.

23. (New) A microbiological culture media for producing a stabilized dihydrolipoic acid compound consisting of:

at least one live probiotic organism selected from the group consisting of *Lactobacillus* species, *Bifidobacterium* species, *Enterococcus* species, *Streptococcus thermophilus*, and combinations thereof;

R-lipoic acid; and  
tumeric rhizome (*curcuma longa*).